

### **BUREAU OF PUBLIC WATER SUPPLY**

### CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

List PWS ID #s for all Water Systems Covered by this CCR

610040

610026

Rankin Water Association, Inc. Public Water Supply Name

The Federal Safe Drinking Water Act requires each *community* public water system to develop and distribute a consumer confidence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Please Answer the Following Questions Regarding the Consumer Confidence Report Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other) Advertisement in local paper On water bills Other Date customers were informed: 6 /3 /2009 CCR was distributed by mail or other direct delivery. Specify other direct delivery methods: Date Mailed/Distributed: / / CCR was published in local newspaper. (Attach copy of published CCR or proof of publication) Name of Newspaper: Kankin County News Date Published: 6/3/2009 CCR was posted in public places. (Attach list of locations) Date Posted: / / CCR was posted on a publicly accessible internet site at the address: www. CERTIFICATION I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply. Name/Title (President, Mayor, Owner, etc.) Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215

Phone: 601-576-7518

## **AFFIDAVIT**

#### PROOF OF PUBLICATION

RANKIN COUNTY NEWS • P.O. BOX 107 • BRANDON, MS 39043

#### STATE OF MISSISSIPPI **COUNTY OF RANKIN**

THIS 4TH DAY OF JUNE, 2009, personally came Marcus Bowers, publisher of the Rankin County News,

2008 Annual Drinking Water Quality Report South West Rankin Water Association PWS#: 0810026 & 0610040 May 2009

Quality Water Report. This report is designed to inform you about the quality water and services we provide you with a sefe and dependable supply of drinking water. We want you to understand the eatment process and protect our water resources. We are committed to ensuring the quality of your the Sparta Sand, Cockfield Formation and the Catahoula Formation Aquifers.

d for our public water system to determine the overall susceptibility of its drinking water supply to inneral susceptibility rankings assigned to each well of this system are provided immediately below, a susceptibility determinations were made has been furnished to our public water system and is . SW Rankin Water Association have received a moderate susceptibility ranking to contamination.

cerning your water utility, please contact James Axton Miller at 601-845-2440. We want our valued ent to learn more please attend any of our regularly scheduled meetings. They are held on buth County Line Road, Florence, MS 3907

king water according to Federal and State laws. This table below lists all of the drinking water of January 4" to December 31", 2008. In cases where monitoring wasn't required in 2008, the vets over the surface of land or underground, it dissolves naturally occurring minerals and, in some ences or contaminants from the presence of animals or from human activity; microbial contaminants, sawage treatment plants, soptic systems, agricultural livestock operations, and wildlife; inorganic a be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater ing; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban semical contaminants, including synthetic and volatile organic chemicals, which are by-products of no can also come from gas stations and septic systems; radioactive contaminants, which can be production and mining activities. In order to ensure that rap water is safe to drink. EPA prescribes mants in water provided by public water systems. All drinking water including bottled drinking water, small amounts of some constituents, It's important to remember that the presence of these water poses a health risk.

tions you might not be familiar with. To help you better understand these terms we've provided the

high, if exceeded, triggers treatment or other requirements which a water system must follow

an Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are & available treatment technology.

'Goal'(MCLG) is the level of a contaminant in drinking water below which there is no known or

one part per million corresponds to one minute in two years or a single penny in \$10,000.

pert per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000

MOLG

MCL

Unit

Measurement

TE	ST RESUL	TS
evel	Range of	
ected	Detects or # of	Meas

1 38 ~ 1.54

eve

tected

Exceeding MCL/ACL				
 No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refinaries; erosion of natural deposits
 No Range	ppb	100	100	Discharge from steel and pulp milts; erosion of natural deposits
 0	ppm	1,3	AL=1.3	Corresion of household plumbing systems, erosion of natural deposits; leaching from wood

Likely Source of Contamination

preservatives

deposits

aluminum factories Corresion of household plumbing systems, erosion of natural

Erosion of natural deposits; water

additive which promotes strong teeth, discharge from fertilizer and

et Harrie		ELL., L. S.	CALL CONTRACTOR	
	.2125	ppm	10	 Runoff from fertilizer use: leaching from septic tanks, sewage; erosion of natural deposits

a weekly newspaper printed and published in the City of Brandon, In the County of Rankin and State aforesaid, before me the undersigned officer in and for said County and State, who being duly sworn, deposes and says that said newspaper has been published for more than 12 months prior to the first publication of the attached notice and is qualified under Chapter 13-3-31, Laws of Mississippi, 1936. and laws supplementary and amendatory thereto, and that a certain

#### 2008 ANNUAL DRINKING WATER QUALITY REPORT

#### SOUTH WEST RANKIN WATER ASSOCIATION

a copy of which is hereto attached, was published in said newspaper One (1) week, as follows, to-wit:

Vol. <u>161</u> No. <u>45</u> on the <u>3rd</u> day of June, 2009

Marcus	Bowers

MARCUS BOWERS, Publisher

Sworn to and subscribed before me by the aforementioned Marcus Bowers this 4th day of June, 2009

> FRANCES CONGER My Commission Expires: January 25, 2010

Notary Public

PRINTER'S FEE: 3 column by 17.5 inch ad at \$6.50 per column inch

\$341.25

Proof of Publication.....

3.00

TOTAL

\$344.25

	1	t	ł	ı				hiezei Annikas
* p	N	2006*	1.54	1 38 1.54	орт	4		Erosion of natural deposits; water additive which promotes strong teeth, discharge from fertilizer and aluminum factories
	N ·	2008	2	0	ppb	Ü	AL¤15	Corrosion of household plumbing systems, erosion of natural deposits
***************************************	CONTRACTOR OF THE PARTY OF THE	<del></del>	*,*,*************		- <del></del>	<del> </del>		
las.	N	2008	.25	.2125	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of netural deposits

#### action By-Products

***********	N	2008	49.25	No Range	ppb	0	60	By-Product of drinking water disinfection.	0.000
	Y	2008	94.25	No Range	ррь	a		By-product of drinking water chlorination.	N.
18/105	N	2008	2	.37 - 2	ppm	0	MDRL = 4	Water additive used to control microbes	

var sample No sample required for 2008.

tivel is continely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l

1D#: 0	610040	)	TE	ST RESUI	TS			
ant	Violation Y/N		Level Delected	Range of Detects or # of Samples Exceeding	Unit	MCLG	MCL	Likely Source of Contamination

anic	i onta	minants						120/00/00
-	Ň	2008	.5	No Range	ррь	aln	10	Erosion of natural deposits; runoff from orchards, runoff from glass and electronics production wastes
i)	N	2008	.065	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
ijim	N	2008	.1	No Range	ppb	4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
กเนคา	N	2008	.9	No Range	ppb .	100	- 100	Discharge from steel and pulp mills; erosion of natural deposits
g/	N	2008	1	Ö	ррт .	1.3	AL≔1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
de"	N	2009	.756	No Range	ppm	. 4	4	Erosion of natural deposits, water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
	N	2008	3	0	ррь	D	AL≃15	Corrosion of household plumbing, systems, erosion of natural deposits
i	- N	2008	9.	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

#### faction Ry-Products

SCOUNT	1 19y-1	. Gauce	•						
v.	N	2005*	2	No Range	dqq	0	80	By-product of drinking water disinfection	
ananes]	N	2008	1.37	.43 1.37	ρρm	0	MDRL =	<ul> <li>Water additive used to control microbes</li> </ul>	

eent sample. No sample required for 2008.

copie may be more vulnerable to contaminants in drinking water than the general population, immuno-compromised persons such as persons wat undergoing chemotherapy, persons who have undergoine organ transplants, people with HIV/AIDS or other immune system disorders, sterly, and infants can be particularly at fisk from infactions. These people should seek advice about drinking water from their health care. EPACOC guidelines on appropriate means to lessen the risk of infection by cryptosportdium and other microbiological contaminants are a from the Safe Drinking Water Hottline 1-800-426-4791.

#### \*\*\*\*\*A MESSAGE FROM MISDH CONCERNING RADIOLOGICAL SAMPLING\*\*\*\*

the level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l.

<sup>\*\*\*</sup> Allomethanes (TTHMs). Some people who drink water containing tribalomethanes in excess of the MCI, over many years may expense problems with their respective, nervous systems, and may have an increased risk of getting cancer.

recurred to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or triking water meets health standards. Beginning January 1, 2004, the Mississipol State Department of Hearth (MSDH) required public water that use chlorine as a primary disinfection to monitorifiest for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. We best the monitoring requirements for bacteriological sampling that showed no collform present. In an effort to ensure systems complete all negligible requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

It devated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is from materials and components associated with service lines and home plumbing. Our Water Association is responsible for providing high mixing water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you must the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department is Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

tes of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be a norganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More for about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water at 1-800-426-4791

cance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippl State next of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological nce samples and results until further notice.

In this was not the result of inaction by the public water supply, MSDH was required to issue a violation. The Bureau of Public Water Supply is action to resolve this issue as quickly as possible. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public supply, at 601.576.7518.

with West Rankin Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us on water sources, which are the heart of our community, our way of life and our children's future.

HTTEN'
Jessie
2 pages

# 2008 Annual Dinking Water Quality Report South West Rankin Water Association PWS#: 0610026 & 0610040 May 2009

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your efforts we make to continually improve the water treatment process and protect our water resource is from walls drawing from the Sparta Sand, Cookfield Formation and the Catahoula Formation Aquilers.

The source water essessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. The general susceptibility frankings saspined to such wall of this system are provided immediately below. A report containing detailed information on how the susceptibility detarminations are made has been furnished to our public water system and is available for viewing upon request. The wells for the SWR Rankin Water Association have received a moderate susceptibility ranking to contamination.

If you have any questions about this report or concerning your water titliffy, please contact James Axion Miller at 601-846-2440. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Monday of each month at 7:30 PM at 201 South County Line Road, Florence, MS 39073.

We routinely monitor for constituents in your dinking water according to Federal and State laws. This table below rists all of the dinking water contemporary to the period of January 1° to December 31° 2008, it cases where monitoring wasn't required in 2008, the contemporary to the surface of lend of underground. It dissolves naturally occurring minerals and, in some table reflects the most recent results. As water travels over the surface of lend of underground. It dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up aubstances or contaminants from the presence of animals or from human scivity, microbial contaminants, such as virtuees and bacteria, that may come from sewage freetment plants, septic systems, agricultural investors operations, end widtlife, inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater distances, of and gas production mining, or faming, pesticides and herbioides which may come from a variety of sources such as agriculture, urban industrial processes and patroleum production, and can also come from gas stations and saptic systems, radioactive contaminants, which can be industrial processes and patroleum production, and can also come from gas stations and saptic systems, radioactive contaminants, which can be industrial processes and patroleum production, and can also come from gas stations and saptic systems, radioactive contaminants, which can be industrial processes and patroleum production, and can also come from gas stations and saptic systems, radioactive contaminants, which can be industrial processes and patroleum production, and can also come from gas stations and saptic systems, radioactive contaminants, which can be industrial processes and patroleum production, and amounts of some constituents. It's important to remember that the presence of these may be reasonably expected to contain at least small amounts of some constituents.

In this table you will find many terms and abbreviations you might not be familiar with. To help you belter understand these terms we've provided the forewing definitions.

Action Level - the concentration of a contaminant which, if exceeded, biggers treatment or other requirements which a water system must follow.

Maximum Conteminent Level (MCL). The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLOs as feasible using the best available treatment technology.

Meximum Conteminent Level Goal (MCLG). The 'Goal'(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Parts per million (ppm) or Milligrams per liter (mpt) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one-part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

WS ID#: 00	10026			ST RESUL	JTS	MOLG	MCL	Likely Source of Contamination
onteminant	Violation Y/N	Date Collected	Lavel Detected	Detects or # of Samples Exceeding MCL/ACL	Measurement			
Inorganic C	ontam	inants		5 0 0 0 0		T 2	7	Discharge of drilling wastes:
10. Barlum	N	2006*	001	No Range	ppm			discharge from metal refineries; erosion of natural deposits
	N	2006*	.6	No Renge	ppb	100	100	Discharge from steel and pulb mills, erosion of natural deposits
13 Chromium 14 Copper	N	2008	2	0	ppm	13	AL=1.3	Corrosion of household plumbing systems, elosion of natural deposits, leaching from wood preservatives
16: Fluoride**	N	2006*	1.64	1.38 - 1.54	ppm	7	4	The specific supplet
17 Lesconsister	1 1 <b>N</b> 2 12 12 1	2008	2	0 1	ppb	1 7	) AL=15	the first of the second
19 Nitrate (85	N N	2008	.25	21 - ,25	ppm	77	0 10	Runoff from fertilizer use, leachin from septic tanks, sawage, erosio of natural deposits
Disinfectio	n By-I	Products	49.25	No Range	ppb	0	60	By-Product of drinking water disinfection
81. HAA6	N	2008	94.25	No Range	ppb	0	80	By-product of drinking water chlorination.
82, TTHM [Total	Y	2008	54.20		4	0	MDRL = 4	Water additive used to control
chlorine * Most recent sa ** Fluoride level	N	2008	2	.37 - 2	ppm	Ĭ.		microbes

PWS ID#:	0610040			ST RESUL	Unit	MCLG	MCL	Likely Source of Contamination
Conteminant	Violation Y/N	Date Collected	Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Measurement			
norganic	Contami	inants 2008	.6	No Range	ppb	nla	10	Erosion of natural deposits: runof from orchards, runoff from glass and electronics production waste.
10. Barlum	N	2008	.065	No Range	ppm	2	7	Discharge of drilling wastes; discharge from metal refineries; expaign of natural deposits
11. Beryllium	N	200B	1	No Range	ppb	A	7	Discharge from metal refineries and coal-burning factories; discharge from electrical, serospace, and defense industries
		2008	9	No Range	opb .	100	100	

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16. Fluoride**		+							preservatives
2000	N	2006*	1,54	1.38 - 1.54	ppm		4	4	Erosion of natural deposits; water additive which promotes strong teeth, discharge from fertilizer and aluminum factories
17. Lead serionis	No mon	2008	2	0	ppb		0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2008	.25	.2125	ppm		10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosioi
	1								of natural deposits
Disinfectio	n By-Pr	oducts	s						of natural deposits
81. HAA5	N :	2008	49.25	No Range	ppb	0		60 8	of natural deposits  By-Product of drinking water disinfection.
The state of the s	N :			No Range	ppb ppb	0		80 8	of natural deposits  By-Product of drinking water

\*\* Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MGL	Likely Source of Contamination
Inorganic	Contan	ninants			7-4	- 19		
8. Arsenic	N	2008	.5	No Range	ppb	n/a	10	Erosion of natural deposits; runof from orchards, runoff from glass and electronics production waste
10. Barium	N	2008	.065	No Range	ppm	2	2	
11. Beryllium	N	2008	.1	No Range	ppb	4	4	
13. Chromium	N	2008	.9	No Range	ppb .	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2008	1	0	ppm .	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2009	.756	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008	3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2008	.9	No Range	ppb	50	50	Discharge from petroleum and metal refineries, erosion of natural deposits, discharge from mines
Disinfectio	n By-Pr	oducts						
2. TTHM Fotal malomethanes)	N :	2005* 2	N	o Range	ppb	0	80 By-	product of drinking water nfection.
Chlorine	N 2	2008 1.	37 .4	3 – 1.37	ppm	0 MDF		Vater additive used to control

\* Most recent sample. No sample required for 2008.

(82) Total Trihalomethanos (TTHMs). Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems; and may have an increased risk of getting cancer.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. Beginning January 1, 2004, the Mississippi State Department of Health (MSDH) required public water systems that use chlorine as a primary disinfectant to monitoritest for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. We did complete the monitoring requirements for bacteriological sampling that showed no collform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested, Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hottline or at http://www.eps.gov/safewater/lead. The Mississippl State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576,7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosportdium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

#### \*\*\*\*\*A MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING\*\*\*\*\*

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 - December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Compliance samples and results until further notice.

Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. The Bureau of Public Water Supply is taking action to resolve this issue as quickly as possible. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601.676,7518.

The South West Rankin Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future

FAX 601 5767800

<sup>\*\*</sup> Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l.

## **2008 CCR Contact Information**

Date: 6/19/69 Time: 2.59
PWSID: 610026/610040
System Name: Southwest Ranbi
Lead/Copper Language MSDH Message re: Radiological Lab
MRDL Violation Chlorine Residual (MRDL) RAA
Other Violation(s)
Will correct report & mail copy marked "corrected copy" to MSDH.
Will notify customers of availability of corrected report on next monthly bill.
Now copy of CCR-Hiscopy
cut off the left side
Cartax
Spoke with Drang Bridges Office Manager 601 845-2440 (Operator, Owner, Secretary)
Mrs Bridges Faxed the new taper clipping it was not Clear
Shi is mailing the New paper Clipping,